



SPRINGFIELD WATER AND SEWER COMMISSION

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Established
1996

March 30, 2018

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Subject: Springfield Water and Sewer Commission Annual CSO and CMOM Report

To Whom It May Concern:

Pursuant to NPDES Permit No. MA0103331, attached please find the 2017 Combined Sewer Overflow (CSO) Annual Report for the Springfield Water and Sewer Commission (Commission). In addition, pursuant to Administrative Order Docket No. 14-007 this submittal also includes the Annual Capacity, Management, Operation, and Maintenance (CMOM) Program Report which documents the ongoing implementation of the Commission's CMOM program and its integration with the Nine Minimum Control elements of the CSO program.

The Commission's Integrated Wastewater Plan (IWP) continues to serve as the roadmap for responsibly maintaining regulatory compliance and operational sustainability. The Commission continued in 2017 with its implementation of the IWP. Once again this report has been formatted and enhanced to provide a more comprehensive collection of information pertaining to the operation, maintenance, re-investment, and planning for the wastewater collection system and CSOs.

In CY 2017, the Commission continued to advance components of the approved IWP as it relates to all wastewater infrastructure. The Commission continued the rehabilitation of the Main Intercepting Sewer (MIS). The successful bypassing of flows from the MIS allowed

for the completion of the lining of the main interceptor in early 2017. As part of the MIS Project, the Commission included the repair and replacement of outfall structures at CSO 012, CSO 013, and CSO 018. After initial delays with permitting and unforeseen geotechnical issues at CSO's 12 & 13, the rehabilitation, replacement, and renewal of these critical assets (MIS pipe and CSO Outfalls) was completed in 2017.

In September 2017 the Commission progressed from preliminary design into the final design of the Connecticut River Crossing and York Street Pump Station Improvements Project. The Commission anticipates final design to be complete by May 2019. This project was identified in the LTCP and IWP as a significant infrastructure project not only to address CSO flows but to provide redundancy to critical buried assets.

As in previous years the Commission undertook a variety of system improvement projects to replace, rehabilitate, or renew existing water and sewer system components. In 2017 the Commission was in various stages of design and construction of several prioritized local projects with failing collection system components.

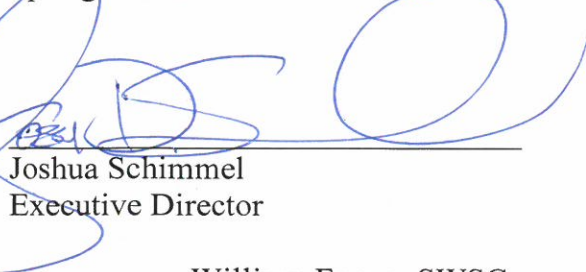
For the eighth successive year, the Commission continued its comprehensive Collection System Asset Management Program. As noted in this report, over 690,000 linear feet of collection system was cleaned and over 54,000 linear feet of the collection system was assessed. The asset condition information obtained through this effort provides critical information used in prioritizing work related to not only CSO's but to local buried infrastructure to prevent failures and discharges from the collection system.

The Commission continued its CSO metering program to further assist in fine tuning of the calibration of the Collection System Model. Data from this effort as well as the Collection System Asset Management Program has been integrated with VUEWorks, the Commission's work order management, document control, asset inventory, and collection system asset management and risk reduction program. Initiated in 2015, VUEWorks has become an integral tool in Commission operations.

If you have any questions or comments concerning the attached information, please do not hesitate to contact me at 413-452-1333.

Respectfully

Springfield Water and Sewer Commission



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Executive Director

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